

| | | | | |
|----------------------------|--------------------|------------------------|----------------|-----------------|
| What are you looking for? | Organic compounds | Inorganic compounds | Medicines | Dictionary |
| Still not found it? Try... | Alphabetical index | Archaic chemical terms | Periodic table | French glossary |

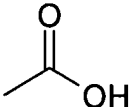
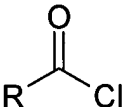
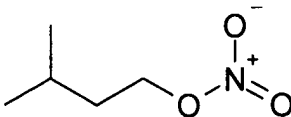
EXHIBIT

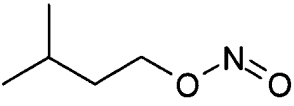
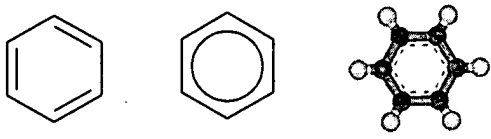
C

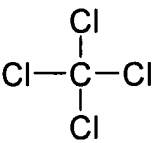
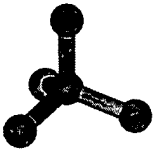
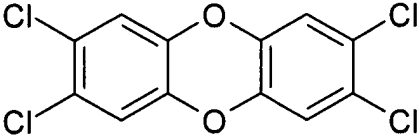
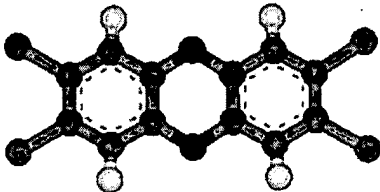
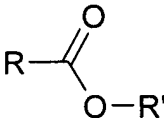
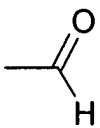
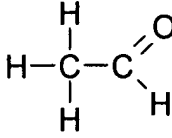
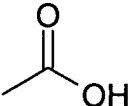
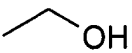
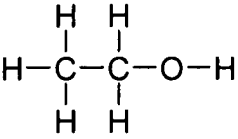

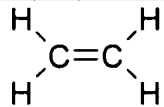
ORGANIC COMPOUNDS

Click on an orange label to see a hazard card

Click on certain words in bold to see another dictionary entry

| | | | |
|---------------------------------------|---|--|---|
| acetaldehyde | Another way of saying ethanal . | | |
| acetic acid | The old-fashioned name for ethanoic acid, which is found in vinegar. |  | CH₃COOH Also: C₂H₄O₂ |
| acetylene | Another way of saying ethyne . | | |
| acid chloride | Another way of saying acyl chloride . | | |
| acyl chloride | A compound containing the group RCOCl . The acyl chloride group is similar to the carboxylic acid group, except that the hydroxyl group has been replaced with a chloride group. Acyl chlorides are highly reactive. |  | RCOCl |
| alkanes (homologous series) | Hydrocarbons containing only carbon-carbon single bonds and carbon-hydrogen bonds | | C_nH_{2n+2} |
| alkenes (homologous series) | Hydrocarbons containing one or more carbon-carbon double bonds | | C_nH_{2n} |
| alkynes (homologous series) | Hydrocarbons containing one or more carbon-carbon triple bonds | | C_nH_{2n-2} |
| amyl nitrate | A colourless liquid added to diesel to improve ignition. |  | C₅H₁₁ONO₂ |
| amyl nitrite | A yellowish volatile synthetic liquid used medicinally as a vasodilator (a drug that makes blood vessels dilate) and inhaled as a recreational | | C₅H₁₁ONO |

| | | | |
|----------------|---|--|-----------------------------------|
| | <p>drug.</p> <p>Sometimes it is called <u>amyl nitrate</u>, but this is misleading. Amyl nitrate is used in diesel.</p> |  | |
| benzene | <p>A volatile liquid hydrocarbon present in coal tar and petroleum, having a hexagonal ring-shaped molecule which is the basis of most aromatic organic compounds.</p> <p>The simplest aromatic compound, a member of the arene homologous series, a known carcinogen (cancer causing chemical) and a constituent of petrol in the UK. It has a system of delocalised electrons that occur because of overlap between the π-orbitals (the pear-shaped orbits of the electrons in the second of the two bonds making up the three double bonds in benzene).</p> <p>Origin of name: <i>benzoic acid</i> + <i>ene</i> (denoting double bonds). Benzoic acid is a white crystalline compound present in the plant resin benzoin.</p> <p>Benzoin is a fragrant gum resin obtained from certain East Asian storax trees. A crystalline aromatic ketone present in this resin is also called benzoin, from which benzoic acid takes its name.</p> |  | C₆H₆ |

| | | | |
|----------------------|--|--|--|
| | Benzoin the resin is named from the French <i>benjoin</i> from the Arabic <i>lubānjāwī</i> meaning incense of Java. | | |
| chloroform | AKA tetrachloromethane or carbon tetrachloride, this anaesthetic liquid can be fatal in overdose. |   | CCl₄ |
| dioxin | Carcinogenic polluting compound, full name 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). |   | C₁₂H₄Cl₄O₂ |
| ester | A molecule made from an alcohol and a carboxylic acid. The link between the alkyl groups of the two constituent molecules is called an ester link. |  | RCOOR |
| ethanal | The aldehyde that is based on ethane. It has two carbon atoms, one with three hydrogen atoms attached, and the other doubly bonded to an oxygen atom and singly bonded to a hydrogen atom. Also called acetaldehyde . |   | CH₃CHO |
| ethanoic acid | A carboxylic acid formed by the oxidation of ethanol. |  | CH₃COOH Also: C ₂ H ₄ O ₂ |
| ethanol | The alcohol based on ethane. Click here for loads more detail. |   | CH₃CH₂OH Also: C ₂ H ₅ OH, C ₂ H ₆ O |
| ethene | A colourless, highly flammable gas. |   | C₂H₄ |